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File # 91

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F. Smith

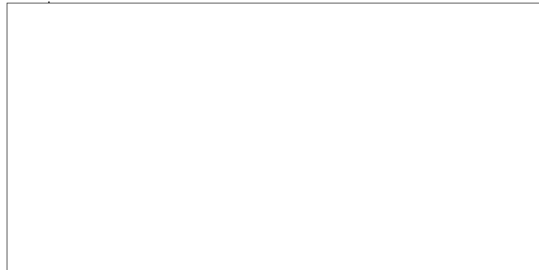


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Subject: Meeting with Dept. of Defense
on 22 December 1955 at

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Present:



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A conference was held to determine the M-2061 antenna progress and to find answers to problems delaying the program. The following were the points discussed:

1. A full sized model of one plate of four of the dipoles for bands 1 and 2 (70 to 170 mc and 170 to 400 mc) was seen and photographed.
2. Vertical patterns are to be taken on the dipoles to determine the effect of tilt on horizontal accuracy.
3. The height of the dipoles above the cabin top is to be determined by experiment designed to minimize effects on horizontal accuracy.
4. The interference problem due to existing antennas and other structures was not resolved. More information is to be supplied by the customer.
5. The color of the radome was not definitely decided upon. A determination of the colors available in the fabrication process will be checked into by It was felt that a shade of gray would be desirable.
6. The power available for maintenance light within the antenna structure shall be 24 VDC.
7. will determine by January 3, 1956 if the helix is usable on band 6.
8. is to design into the antenna package the filter and calibration system, but customer approval is not to be expected before January 16, 1956. This will cause a delay in procurement of certain special components.
9. There is a problem of testing the band 3 horn. If cannot find facilities for this work they are to contact the customer's representative through Philco in an effort to enlist the aid of a government facility.
10. The detailed design of the antenna structure is to include camouflaging

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tubular non-metallic supports for the dipoles. In the absence of more specific information the complete structure will be designed as a complete unit in itself with the customer taking over the installation of the antenna unit on the vessel.

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